

TelScout™ TS90



GREENLEE®
COMMUNICATIONS
A Textron Company

**TDR Cable Tester for
Telephone Applications**



Designed for Ease-of-Use...

If your job is to find faults on telephone twisted pair cable, the Greenlee TelScout™ TS90 is built for you. Designed specifically for telephone local loop applications, the TS90 applies the newest technology to provide both ease-of-use and telephony performance that cannot be found in any other TDR.

The TS90 is designed for ease-of-use. You'll spend less time operating the TDR, and more time repairing faults. Simply select the cable type to be tested and the TS90 does the rest. Impedance, Vp, gain, pulse width and vertical position are automatically selected and adjusted as you scan the cable. Just move the cursor to the fault to pinpoint its location.

On the performance side, the TS90 employs optimized pulsing and sampling, coupled with advanced filtering and signal processing techniques, to insure the maximum measurement range. That way, you'll always have a clean waveform for easier fault interpretation.

Short Pulse Width

The TS90 provides a 5 ns pulse width for close-in resolution. Faults as near as 3 feet from the pedestal can be located with ease.

Rugged Package

Best of all, you get all this performance in a rugged handheld TDR package. Come snow, rain, heat and humidity, the TS90 keeps working because you have to.

Features

- Two Pair Test Capability
- One-Step Setup
- Automatic Instrument Control Mode
- 15 km (45,000 ft.) Fault Location Capability
- Splash and Drip Proof
- Single-Button Zoom Function
- Pair Comparison Mode

Characteristics

TEST SIGNAL OUTPUT

1/2 Sine, balanced.

AMPLITUDE

≤6 V into 105Ω

OUTPUT IMPEDANCE

105Ω nominal.

PULSE WIDTHS

5 ns to 2,500 ns (automatic).

INPUT PROTECTION

±200 V, DC + peak AC, to a maximum of 440 Hz.

MAXIMUM RANGE

15,000 m (45,000 ft.) depending on cable type and condition.

CURSOR RESOLUTION

0.4% of selected range.

DISPLAY

5.25 inch, high-contrast, high-resolution, backlit LCD, 520 x 200 pixels.

DISPLAY RANGES

Eleven automatic display ranges plus single-button expand window.

AMPLIFIER

5 mV reflection produces a full-screen vertical deflection.

GAIN

0 to 63 dB.

HORIZONTAL DESIGN ACCURACY

0.01% ± 300 ps ± Vp uncertainty ± cursor resolution.

Ordering Information

R = REPLACEMENT PART **A** = ACCESSORY

CAT NO.	UPC NO.	DESCRIPTION	QTY.
TS90US	12487	TelScout™ Telephone Tester US, TS90 (Bed of Nails Croc Clips)	1
TS90INTL	26345	TelScout™ International, TS90 (Small Croc Clips)	1
TS90INTL-LEAD	26346	R Lead Kit International, (Small Croc Clips)	1
012154500	60740	R Leads, (Bed of Nails Croc Clips)	1
THM5BAT	60756	R Rechargeable Battery Pack	1

DISTRIBUTOR INFORMATION:

- Splits/Crosstalk Mode
- Intermittent Fault Location
- Measures Distance to Fault in Feet, Meters or Time
- Configurable for any Cable Type and Vp (0.300 to 1.000)
- Accurate (±3 ft. at 10,000 ft.)
- On-line Tutorials
- Large Backlit Display

ENVIRONMENTAL

Temperature:

Operating: 0° C to +45° C.

Non-operating: -20° C to +60° C.

Humidity:

95% RH, non-condensing.

EMI EMISSIONS

EN55011, Class A.

EN60555-2.

POWER

Battery Operation:

Battery Type: Six AA alkaline.

Operating Time: Over 4.5 hours with backlight off.

Battery Saver: Selectable for 5 to 30 minutes or disabled.

PHYSICAL

Dimensions	mm	inch
Height	141	5.6
Width	211	8.3
Depth	43	1.8
Weight	kg	lb.
Net	1	2.2

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